

Title (en)
METHOD FOR DETERMINING SUSCEPTIBILITY TO BONE DAMAGE BY SCREENING POLYMORPHISMS IN THE VITAMIN D RECEPTOR GENE

Title (de)
VERFAHREN ZUR BESTIMMUNG DER SUSZEPTIBILITÄT HINSICHTLICH KNOCHENSCHÄDIGUNGEN DURCH SCREENING AUF POLYMORPHISMEN IM VITAMIN D REZEPTOR GEN

Title (fr)
METHODE PERMETTANT DE DETERMINER LA SUSCEPTIBILITE AUX LESIONS OSSEUSES PAR DETECTION DE POLYMORPHISMES DANS LE GENE DU RECEPTEUR DE LA VITAMINE D

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Application
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Abstract (en)
[origin: WO0015839A1] The present invention relates to a prognostic method and means for determining susceptibility to bone damage in a subject, by screening for polymorphisms in the Vitamin D receptor or collagen I alpha 1 genes. In particular, the method for determining susceptibility to bone damage comprises analysing the genetic material of a subject to determine which of the B/b, A/a or T/t alleles of the restriction enzyme sites BsmI, ApaI and TaqI respectively are present. The method may further comprise determining which allele is present at the Sp1 restriction site of the collagen I alpha 1 gene. Specific combinations of the above alleles represent a haplotype which is associated with susceptibility to bone damage.

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JONES G. ET AL: "OSTEOARTHRITIS, BONE DENSITY, POSTURAL STABILITY, AND OSTEOPOROTIC FRACTURES: A POPULATION BASED STUDY", JOURNAL OF RHEUMATOLOGY, vol. 22, no. 5, May 1995 (1995-05-01), TORONTO, CA, pages 921 - 925, XP008048947

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